

**WHAT IS CLAIMED IS:**

1. A disk module of solid state, comprising  
a IDE interface, being a connector to engage with the main board of a computer;  
5 a flash memory controller, being used to control data access and specify an address of data storage;  
a power source, being connected to said flash memory controller to supply a working voltage; and  
a flash memory array, being composed of a plurality of flash memories  
10 and connecting with said flash memory controller for saving data.
2. A disk module of solid state as defined in claim 1, wherein said power source may be associated with the IDE interface to form a connector:
3. A disk module of solid state as defined in claim 1, said flash memory controller is a single chip controller.
- 15 4. A disk module of solid state as defined in claim 3, wherein said single chip controller is MX9691 controller.
5. A disk module of solid state as defined in claim 1, wherein said flash memory array are ten flash memories dividing into five groups.
6. A disk module of solid state as defined in claim 1, wherein said flash  
20 memory controller and said flash memory array are disposed on a circuit board.
7. A disk module of solid state as defined in claim 1, wherein said flash memory controller and said flash memory array are covered by a casing and a side thereof connects a IDE interface.
- 25 8. A disk module of solid state as defined in claim 1, wherein the power source extends a power output.

0967544-100600

9. A disk module of solid state as defined in claim 7, wherein the IDE interface has the same orientation as the casing for a vertical engagement.

10. A disk module of solid state as defined in claim 7, wherein the IDE interface is disposed to perpendicular to the casing for a horizontal engagement.

11. A disk module of solid state as defined in claim 1, wherein the IDE interface is integral with an extending interface.

Adel  
BI

09679544 100600